

Appl 09/844,304

Amdt dated August 12, 2003

Reply to Office Action of July 11, 2003

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the present application:

Listing of Claims

1. (Currently Amended) A multi well filter plate for filtering a liquid comprising,
a plate having top and bottom surfaces,
a plurality of holes passing through said plate,
a filter sheet having a first and second surface,
said first surface of said filter being sealed to said bottom surface of said plate,
said seal being an adhesive,
said seal being liquid tight so that when a sample is placed in said holes and a pressure differential
is applied between said top and bottom surfaces the liquid passes through said filter.
2. (Original) The multiple well filter plate of claim 1 wherein said filter is selected from the group consisting
of ultrafiltration, microfiltration, nanofiltration, macrofiltration and coarse filters.
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Original) The multiple well filter plate of claim 1 wherein said adhesive is selected from a group
consisting of light activated, thermally activated, cyanoacrylate and epoxies.

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8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Original) The multiple well filter plate of claim 1 wherein said filter is a microporous filter.

17. (Original) The multiple well filter plate of claim 1 wherein said filter is an ultrafiltration filter.

18-23 (Canceled)

24. (Previously Presented) A multi well filter plate for filtering a liquid comprising,
a plate having top and bottom surfaces,
a plurality of holes passing through said plate,
a filter having a first and second surface,
said first surface of said filter being sealed to said bottom surface of said plate,
said seal being an adhesive,
said seal being liquid tight so that when a sample is placed in said holes and a pressure differential
is applied between said top and bottom surfaces the liquid passes through said filter and wherein
the surface of the plate to which the filter is bonded has a series of troughs formed around the holes
into which the adhesive is placed.

25. (Previously Presented) A multi well filter plate for filtering a liquid comprising,
a plate having top and bottom surfaces,

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a plurality of holes passing through said plate,
a filter having a first and second surface,
said first surface of said filter being sealed to said bottom surface of said plate,
said seal being an adhesive,
said seal being liquid tight so that when a sample is placed in said holes and a pressure differential is applied between said top and bottom surfaces the liquid passes through said filter
and wherein the first surface of the filter has cuts through at least a portion of the depth of the first surface, the filter being attached by its first surface to the bottom surface of the plate so as to form a seal between the plate bottom and the seal being the adhesive bonded to the cuts in the first surface of the filter.

26. (Previously Presented) A multi well filter plate for filtering a liquid comprising,
a plate having top and bottom surfaces,
a plurality of holes passing through said plate,
a filter having a first and second surface,
said first surface of said filter being sealed to said bottom surface of said plate,
said seal being an adhesive,
said seal being liquid tight so that when a sample is placed in said holes and a pressure differential is applied between said top and bottom surfaces the liquid passes through said filter
and wherein the filter is an ultrafiltration filter, the first surface of the filter having a smaller pore size than the second surface, the first surface of the ultrafiltration filter having cuts through at least a portion of the depth of the first surface, the ultrafiltration filter being attached by its first surface to the bottom surface of the plate so as to form a seal between the plate bottom and the ultrafiltration filter and the seal being an adhesive bonded to the cuts in the first surface of the filter.

27. (Currently Amended) A multi well filter plate for filtering a liquid comprising,

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a plate having top and bottom surfaces,
384 holes passing through said plate,
an ultrafiltrationultrafiltration filter sheet having a first and second surface,
said first surface of said filter being sealed to said bottom surface of said plate,
said seal being an adhesive,
said seal being liquid tight so that when a sample is placed in said holes and a pressure differential
is applied between said top and bottom surfaces the liquid passes through said filter.

28) (Previously Presented) The filter plate of claim 27 wherein the ultrafiltration filter has a first surface of
the filter having a smaller pore size than the second surface.

29.(New) A multi well filter plate for filtering a liquid comprising,
a plate having top and bottom surfaces,
a plurality of holes passing through said plate,
a filter sheet having a first and second surface,
said first surface of said filter sheet being sealed to said bottom surface of said plate,
said seal being an adhesive selected from a group consisting of light activated, thermally activated,
cyanoacrylate and epoxies,
said seal being liquid tight so that when a sample is placed in said holes and a pressure differential
is applied between said top and bottom surfaces the liquid passes through said filter.